

chain nodes :

10 11 12

ring nodes :

1 2 3 4 5 6 7 8 9 14 15 16 17 18 19

chain bonds :

1-17 10-11 11-12

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 14-15 14-19 15-16 16-17 17-18 18-19

exact/norm bonds :

5-7 6-9 7-8 8-9 10-11 11-12 14-15 14-19 15-16 16-17 17-18 18-19

exact bonds :

1-17

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 14 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:Atom 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

Generic attributes :

12:

Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic

10/807918

=> s l1

SAMPLE SEARCH INITIATED 13:52:46 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6755 TO ITERATE

14.8% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 130173 TO 140027
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 13:53:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 136219 TO ITERATE

100.0% PROCESSED 136219 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.02

L3 2 SEA SSS FUL L1

=> file caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 161.76 | 161.97 |

FILE 'CAPLUS' ENTERED AT 13:53:22 ON 21 FEB 2005
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FILE COVERS 1907 - 21 Feb 2005 VOL 142 ISS 9
FILE LAST UPDATED: 20 Feb 2005 (20050220/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

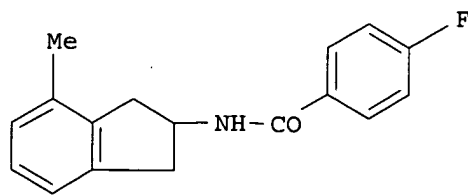
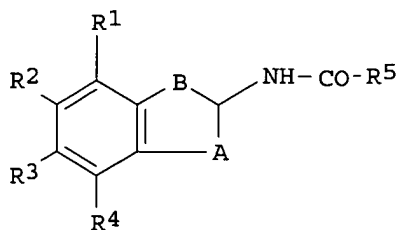
=> s l3

L4 1 L3

=> d l4 bib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:637636 CAPLUS
 DN 137:185515
 TI Preparation of acylated indanyl amines and their use as remedies in
 upregulation of endothelial nitric oxide synthase
 IN Strobel, Hartmut; Wohlfart, Paulus; Safarova, Alena; Walser, Armin;
 Suzuki, Teri; Dharanipragada, Ramalinga M.
 PA Aventis Pharma Deutschland GmbH, Germany
 SO PCT Int. Appl., 137 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2002064545 | A1 | 20020822 | WO 2002-EP1444 | 20020212 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | TM |
| | CA 2437944 | AA | 20020822 | CA 2002-2437944 | 20020212 |
| | EE 200300369 | A | 20031015 | EE 2003-369 | 20020212 |
| | EP 1373191 | A1 | 20040102 | EP 2002-722067 | 20020212 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | BR 2002007211 | A | 20040127 | BR 2002-7211 | 20020212 |
| | JP 2004518719 | T2 | 20040624 | JP 2002-564478 | 20020212 |
| | US 2003055093 | A1 | 20030320 | US 2002-73160 | 20020213 |
| | ZA 2003005413 | A | 20040428 | ZA 2003-5413 | 20030714 |
| | NO 2003003565 | A | 20031013 | NO 2003-3565 | 20030812 |
| PRAI | EP 2001-102850 | A | 20010213 | | |
| | WO 2002-EP1444 | W | 20020212 | | |
| OS | MARPAT 137:185515 | | | | |
| GI | | | | | |



AB Title compds. [I; R1-R4 =; A = CH₂, CHOH, CH(C1-C3-alkyl); B = CH₂, CH(C1-C3-alkyl); R5 = aryl, heteroaryl] are prepared and are useful in the upregulation of endothelial nitric oxide synthase (eNOS). Title compds. I may therefore be useful for the manufacture of medicaments for the treatment of cardiovascular diseases, stable or unstable angina pectoris, coronary heart disease, Prinzmetal angina, acute coronary syndrome, heart failure, myocardial infarction, stroke, thrombosis, peripheral artery occlusive disease, endothelial dysfunction, atherosclerosis, restenosis, endothelial damage after PTCA(percutaneous trans-luminal coronary angioplasty), hypertension, essential hypertension, pulmonary hypertension, secondary hypertension, renovascular hypertension, chronic glomerulonephritis, erectile dysfunction, ventricular arrhythmia, diabetes or diabetes complications, nephropathy or retinopathy, angiogenesis, asthma bronchial, chronic renal failure, cirrhosis of the liver, osteoporosis, restricted memory performance, a restricted ability to learn, or for the lowering of cardiovascular risk of postmenopausal women or after intake of contraceptives. Thus, the title compound II was prepared from 2-amino-4-methylindane and 4-fluorobenzoyl chloride, purified by HPLC and was in vitro tested on human umbilical vein cord endothelial cells for activation effect of eNOS transcription with EC-50 (μM) = 6.0 and TIR(max) = 2.80.

IT 450355-65-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation method of acylated indanyl amines and use as remedies in upregulation of endothelial nitric oxide synthase)

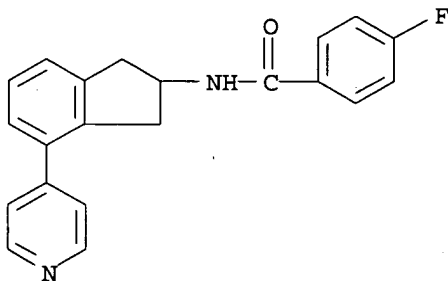
RN 450355-65-4 CAPLUS

CN Benzamide, N-[2,3-dihydro-4-(4-pyridinyl)-1H-inden-2-yl]-4-fluoro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 450355-64-3

CMF C21 H17 F N2 O

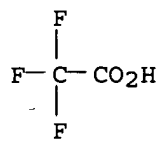


CM 2

CRN 76-05-1

CMF C2 H F3 O2

10/807918



RE.CNT 3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/807918

=> file caold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.74

168.71

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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=> s l3

L5 0 L3

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.43

169.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-0.73

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 13:55:51 ON 21 FEB 2005